P25^{IP} M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

Standard hardware and software features

Feature	ProVoice M7100^{IP}	EDACS M7100^{IP}	P25^{IP} Digital Conventional M7100^{IP}	Conventional M7100^{IP}
No. of Systems/Groups	128 (800 offered as an option) 255 conventional channels/groups*	128 (800 offered as an option) 255 conventional channels/groups*	255 conventional channels/groups*	255 conventional channels/groups*
Display – Standard Control Unit	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display
Remote Mount	Option	Option	Option	Option
Frequency Range (MHz)	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870
Programmable Bandwidth	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz
Programmable Transmit Power	✓	✓	✓	✓
Public Address	✓	✓	✓	✓
Wide Area System Scan	✓	✓	NA	NA
Group Scan	✓	✓	✓	✓
Priority System Scan	Option	Option	NA	Option
Agency/Fleet/All Calls	✓	✓	NA	No
Group Calls	✓	✓	✓	✓
Individual/Private Calls	✓	✓	✓	No
Programmable Telephone Interconnect	✓	✓	✓	No
Unit Enable/Disable	✓	✓	NA	No
Emergency	✓	✓	✓	✓ (G-STAR™)
Dynamic Regroup	✓	✓	✓	No
Auto Login	✓	✓	NA	NA
ProScan™	Option	Option	NA	NA
Status Message	Option	Option	NA	No
ProFile™	Option	Option	NA	NA
EDACS Security Key/ Personality Lock (PL)	Option (ESK)	Option (ESK)	Option (PL)	Option (PL)

*Channel/group capacity is actually higher than 255 but is restricted due to 255 unique aliases and 255 unique frequencies programmed into the radio. Users who can re-use the same frequencies in different systems can actually go above 255 channels/groups.

P25^{IP} M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

Standard hardware and software features

Feature	ProVoice M7100^{IP}	EDACS M7100^{IP}	P25^{IP} Digital Conventional M7100^{IP}	Conventional M7100^{IP}
Aegis™ Digital Voice	✓	Option	No	Option
ProVoice Digital Voice	✓	No	No	No
DES Encryption (for Aegis/ProVoice/P25)	Option	Option	Option	Option
VGE Encryption	Option	Option	Option	Option
AES Encryption	Future Option	NA	Option	NA
FIPS-140-2 (only order with DES or AES)	Future Option	NA	Future Option	NA
EDACS Data	Option	Option	NA	NA
Project 25 Data	Future option	Future option	Future option	NA
Project 25 Common Air Interface (CAI)	Option	Option	✓	NA
Project 25 Over-the-Air Re-keying (OTAR)	Future Option	Future Option	Future Option	NA
Channel Guard	✓	✓	✓	✓
Digital Channel Guard	✓	✓	✓	✓
5-Tone Signaling Encode/Decode	✓	✓	✓	✓
Type 99 Encode/Decode	✓	✓	✓	✓
DTMF Encode	✓ for System model	✓ for System model	✓ for System model	✓ for System model
Emergency G-STAR™/Standard G-STAR (ANI) Encode	✓	✓	✓	✓
Channel Busy Lock-Out	✓	✓	✓	✓
Scan (Conventional)	✓	✓	✓	✓
Dual Priority Scan (Conventional)	✓	✓	✓	✓
Direct Frequency Entry	Option	Option	Option	Option

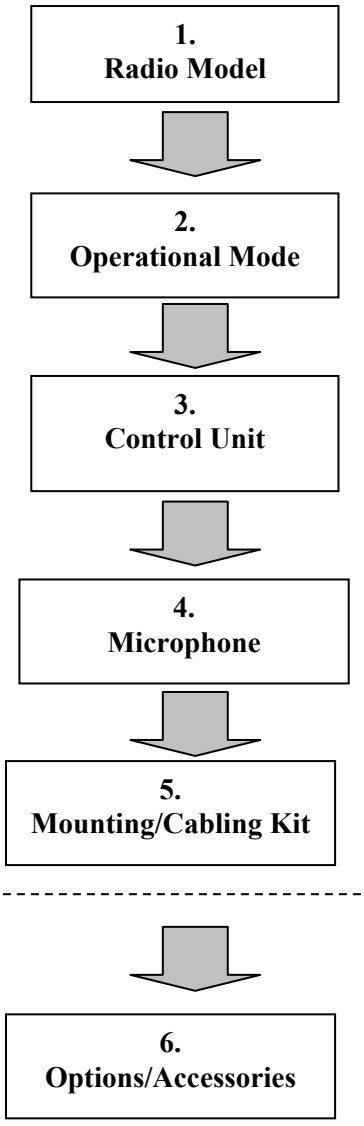
ORDERING GUIDELINES FOR P25^{IP} M7100^{IP} MOBILES

The radio model includes the mobile radio only with an Installation Manual.

DES and AES models include the encryption mode.

All radio models include Conventional operation.

1. Select radio model.
2. Select operational mode.
3. Select preferred control unit.
4. Select preferred microphone (except when ordering Hand Held Controller).
5. Select proper mounting/cabling kit (except when ordering Hand Held Controller).



6. Add options and accessories.

P25[IP] M7100[IP] MOBILES

Band: VHF, UHF, 800
Product Code: HG

All M7100[IP] orders must be placed through the Product Configurator. The following is for information only.

M7100[IP] Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz, 35W	MAHG-S8MXX	$1625	MAHG-S8MXE	$2125	MAHG-S8MXA	$2475
450-470 MHz, 100W*	MAHG-SUHXX	$2125	MAHG-SUHXE	$2625	MAHG-SUHXA	$2975
450-512 MHz, 50W	MAHG-SUMXX	$1825	MAHG-SUMXE	$2325	MAHG-SUMXA	$2675
378-430 MHz, 50W	MAHG-SNMXX	$1825	MAHG-SNMXE	$2325	MAHG-SNMXA	$2675
136-174 MHz, 50W	MAHG-SHMXX	$1825	MAHG-SHMXE	$2325	MAHG-SHMXA	$2675
136-174 MHz, 110W	MAHG-SHHXX	$2125	MAHG-SHHXE	$2625	MAHG-SHHXA	$2975

*Mobile will be available pending FCC type acceptance. Shipments are expected to begin in October 2006.

E/C	Model No.	List Price $	Description

2. Operational Mode Packages (Must select one if operational modes in addition to analog conventional are required.) (See preceding page for feature lists)

N ..... MAHG-CA ..... 850 ..... FEATURE PACKAGE, PROJECT 25 COMMON AIR INTERFACE (CAI) CONVENTIONAL DIGITAL, UNENCRYPTED (applies to any Operational Mode Feature Package)

N ..... MAHG-PT ..... 1795 ..... FEATURE PACKAGE, P25 TRUNKING (includes P25 CAI operation)

N ..... MAHG-ED ..... 1095 ..... FEATURE PACKAGE, EDACS TRUNKING OPERATION (includes Conventional operation)

N ..... MAHG-PV ..... 1795 ..... FEATURE PACKAGE, PROVOICE DIGITAL TRUNKING OPERATION (includes EDACS and Conventional operation)

N ..... MAHG-PKGPP ..... 2395 ..... FEATURE PACKAGE, P25 TRUNKING AND PROVOICE (includes P25 CAI, EDACS, and Conventional operation)

Aegis™ Voice Options (ProVoice and EDACS Unencrypted Radios only)

N ..... MAHG-PL3T ..... 250 ..... DIGITAL VOICE, AEGIS, UNENCRYPTED

N ..... MAHG-VE ..... 800 ..... ENCRYPTION, 64-BIT, VGE AND AEGIS DIGITAL VOICE (includes Aegis digital voice option)

Option for DES Encrypted Radios

N ..... MAHG-FP ..... Future ..... FIPS 140-2 OPERATION, For DES Encrypted radios only

For keyloader, see page 10.1-1.

EXPORT CONTROL NOTE: ALL Digital Voice encrypted products may require a validated Export License issued by the Department of Commerce. Certain non-encrypted commodities may require a validated Export License issued by the Department of Commerce depending on customer name and destination country. The following countries are currently under embargo by the USA: Cuba, North Korea, Libya, Iran, Iraq, Sudan, and Syria.

P25[IP] M7100[IP] MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description
3. Control Unit (Select one)			
N	MAHG-CP7X	685	CONTROL UNIT, SYSTEM, REMOTE MOUNT
N	MAHG-CP7V	650	CONTROL UNIT, SYSTEM, FRONT MOUNT
N	MAHG-CP7W	485	CONTROL UNIT, SCAN, REMOTE MOUNT
N	MAHG-CP7U	450	CONTROL UNIT, SCAN, FRONT MOUNT
N	MAHG-ZN6B	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITH SIREN, REMOTE, 50W TX AND LESS Includes Hand Held Controller and cables
N	MAHG-ZN6C	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITH SIREN, REMOTE, 60W TX AND ABOVE Includes Hand Held Controller and cables
N	MAHG-ZN5Z	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITHOUT SIREN, REMOTE, 50W TX AND LESS Includes Hand Held Controller and cables
N	MAHG-ZN6A	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITHOUT SIREN, REMOTE, 60W TX AND ABOVE Includes Hand Held Controller and cables
4. Microphone (Select one except when ordering the Hand Held Controller)			
N	MAHG-MC5N	180	MICROPHONE, DTMF
N	MAHG-MC5L	130	MICROPHONE, NOISE CANCELING
N	MAHG-MC5A	125	MICROPHONE, DESK
N	MAHG-MC7T	76	MICROPHONE, MOBILE
5. Mounting/Cabling Kit (Select one except when ordering the Hand Held Controller)			
N	MAHG-ZN5X	345	KIT, ACCESSORY, REMOTE MOUNT, 50W TX AND BELOW
N	MAHG-ZN5Y	345	KIT, ACCESSORY, REMOTE MOUNT, 60W TX AND ABOVE
N	MAHG-ZN5W	225	KIT, ACCESSORY, FRONT MOUNT, 50W TX AND BELOW

NOTE: Mounting/Cabling Kit includes Power Cable, Accessories Cable, External Speaker, Mounting Bracket(s), Mic Hanger, Radio Front Cover (Remote Mount only), and Radio Control Cable (Remote Mount only)

P25^{IP} M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description

6. Options & Accessories

Software Options

N .....MAHG-PL7K .....105 .....FEATURE, DIRECT FREQUENCY ENTRY

ProVoice and EDACS Software Options*

N .....MAHG-EN .....550 .....FEATURE, EXTENDED NETWORK: 800 SYSTEMS/GROUPS, ProRoam and ProFile™
N .....MAHG-PL1X .....305 .....FEATURE, ProRoam = ProScan™ + PRIORITY SYSTEM SCAN
N .....MAHG-PL5K .....305 .....FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N .....MAHG-PL3R.....205 .....FEATURE, 800 EDACS SYSTEMS/GROUPS
N .....MAHG-PL3X .....205 .....FEATURE, EDACS DATA
N .....MAHG-PL1Y .....105 .....FEATURE, PRIORITY SYSTEM SCAN
N .....MAHG-PL7G .....105 .....FEATURE, EDACS SECURITY KEY
N .....MAHG-TS .....105 .....FEATURE, STATUS/MESSAGE AND TEXTLINK

*Note that Emergency and Dynamic Regroup are now included in the standard radio software package.

Project 25 Software Options

N .....MAHG-PL5L..... Future .....FEATURE, P25 OVER-THE-AIR RE-KEYING (OTAR)
N .....MAHG-PL7P..... Future .....FEATURE, P25 DATA (Conventional only)
N .....MAHG-PL7G .....105 .....FEATURE, P25 PERSONALITY LOCK

P25^{IP} M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description
Mobile Antennas			
N	MAHG-AN3G	50	ANTENNA, 136-870 MHZ, 1/4 WAVE, TNC, STANDARD ROOF MOUNT
N	MAHG-AN3R	55	ANTENNA, 136-941 MHZ, 1/4 WAVE, TNC, THICK ROOF MOUNT
Additional Accessories			
N	MAHG-CP7Y	550	CONTROL UNIT, HAND HELD CONTROLLER, SPARE
N	MAHG-MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT, 72 keys and extractor tool
N	MAHG-MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT, 11 keys and extractor tool
N	MAHG-MK3Z	13	KIT, RADIO FRONT COVER FOR REMOTE MOUNT
N	MAHG-CL1Y	130	CABLE, EXTENSION, DATA/PROGRAMMING/KEYLOADER
N	MAHG-CL3B	96	CABLE, HAND HELD CONTROLLER, WITH SIREN, SPARE
N	MAHG-CL3A	76	CABLE, HAND HELD CONTROLLER, WITHOUT SIREN, SPARE
N	MAHG-CL1X	39	CABLE, DATA INTERFACE
N	MAHG-MA5W	71	SUPPORT, CONNECTOR, LONG PACKAGE (110W, VHF) Supports the radio control cable at the rear of the radio for VRC (vehicular repeater) applications.
N	MAHG-MA5X	70	SUPPORT, CONNECTOR Supports the radio control cable at the rear of the radio for VRC (vehicular repeater) applications.
Industry Canada			
N	MAHG-EC1A	5	OPTION, INDUSTRY CANADA
Siren and Light Controls			
V	1016	1065	SIREN, ELECTRONIC, WITH LIGHT CONTROL, SS2000 Provides a serial-to-parallel interface to the Orion Control Units for generation of the siren and control of 8 light functions
V	1020	250	SPEAKER, 100W, TS100 For use with Light Bars or Concealed Mounting

P25^{IP} M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description

Dual Control Units (Order Microphone Separately)

Order complete transceiver, first control unit, and accessories. Then order dual control options to provide a second control head, accessory cable, speaker, mounting bracket and hardware, plus a 9-meter Remote Mount Dual Control Cable.

N	MAHG-ZN6K	1060	CONTROL UNIT, DUAL CONTROL, SYSTEM, LONG PACKAGE (110W, VHF)
N	MAHG-ZN6J	1060	CONTROL UNIT, DUAL CONTROL, SCAN, LONG PACKAGE (110W, VHF)
N	MAHG-ZN6L	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITHOUT SIREN, LONG PACKAGE (110W, VHF) Includes Hand Held Controller and cables
N	MAHG-ZN6M	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITH SIREN, LONG PACKAGE (110W, VHF) Includes Hand Held Controller and cables
N	MAHG-ZN6T	1060	CONTROL UNIT, DUAL CONTROL, SYSTEM
N	MAHG-ZN6S	1060	CONTROL UNIT, DUAL CONTROL, SCAN
N	MAHG-ZN6U	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITHOUT SIREN, Includes Hand Held Controller and cables

Microphone (Dual Control Unit)

N	MAHG-MC5N	180	MICROPHONE, DTMF
N	MAHG-MC5L	130	MICROPHONE, NOISE CANCELING
N	MAHG-MC5A	125	MICROPHONE, DESK
N	MAHG-MC7T	76	MICROPHONE, MOBILE

Other (Dual Control Unit)

N	MAHG-MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT, 72 keys and extractor tool
N	MAHG-MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT, 11 keys and extractor tool

Dual Transceivers

The first radio must be ordered as a Remote Mount version. The second radio should be ordered with the appropriate Dual transceiver ACC option (below). The Dual Transceiver option configures the second radios as Remote Mount with a 2-meter Dual Radio Cable.

N	MAHG-ZN6N	285	KIT, ACCESSORY, DUAL RADIO, 50W TX AND BELOW
N	MAHG-ZN6P	285	KIT, ACCESSORY, DUAL RADIO, 60W TX AND ABOVE

Manuals

V	MAMM-100HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, VHF
V	MAMM-400HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, UHF
V	MAMM-800HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, 800 MHZ

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

Standard hardware and software features

Feature	ProVoice M7100^{IP}	EDACS M7100^{IP}	P25^{IP} Digital Conventional M7100^{IP}	Conventional M7100^{IP}
No. of Systems/Groups	128 (800 offered as an option) 255 conventional channels/groups*	128 (800 offered as an option) 255 conventional channels/groups*	255 conventional channels/groups*	255 conventional channels/groups*
Display – Standard Control Unit	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display	2-line, 8-character alphanumeric vacuum fluorescent display
Remote Mount	Option	Option	Option	Option
Frequency Range (MHz)	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870	136-174, 378-430, 450-512, 806-870
Programmable Bandwidth	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz	25 kHz/NPSPAC/ 12.5 kHz
Programmable Transmit Power	✓	✓	✓	✓
Public Address	✓	✓	✓	✓
Wide Area System Scan	✓	✓	NA	NA
Group Scan	✓	✓	✓	✓
Priority System Scan	Option	Option	NA	Option
Agency/Fleet/All Calls	✓	✓	NA	No
Group Calls	✓	✓	✓	✓
Individual/Private Calls	✓	✓	✓	No
Programmable Telephone Interconnect	✓	✓	✓	No
Unit Enable/Disable	✓	✓	NA	No
Emergency	✓	✓	✓	✓ (G-STAR™)
Dynamic Regroup	✓	✓	✓	No
Auto Login	✓	✓	NA	NA
ProScan™	Option	Option	NA	NA
Status Message	Option	Option	NA	No
ProFile™	Option	Option	NA	NA
EDACS Security Key/ Personality Lock (PL)	Option (ESK)	Option (ESK)	Option (PL)	Option (PL)

*Channel/group capacity is actually higher than 255 but is restricted due to 255 unique aliases and 255 unique frequencies programmed into the radio. Users who can re-use the same frequencies in different systems can actually go above 255 channels/groups.

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

Standard hardware and software features

Feature	ProVoice M7100^{IP}	EDACS M7100^{IP}	P25^{IP} Digital Conventional M7100^{IP}	Conventional M7100^{IP}
Aegis™ Digital Voice	✓	Option	No	Option
ProVoice Digital Voice	✓	No	No	No
DES Encryption (for Aegis/ProVoice/P25)	Option	Option	Option	Option
VGE Encryption	Option	Option	Option	Option
AES Encryption	Future Option	NA	Option	NA
FIPS-140-2 (only order with DES or AES)	Future Option	NA	Future Option	NA
EDACS Data	Option	Option	NA	NA
Project 25 Data	Future option	Future option	Future option	NA
Project 25 Common Air Interface (CAI)	Option	Option	✓	NA
Project 25 Over-the-Air Re-keying (OTAR)	Future Option	Future Option	Future Option	NA
Channel Guard	✓	✓	✓	✓
Digital Channel Guard	✓	✓	✓	✓
5-Tone Signaling Encode/Decode	✓	✓	✓	✓
Type 99 Encode/Decode	✓	✓	✓	✓
DTMF Encode	✓ for System model	✓ for System model	✓ for System model	✓ for System model
Emergency G-STAR™/Standard G-STAR (ANI) Encode	✓	✓	✓	✓
Channel Busy Lock-Out	✓	✓	✓	✓
Scan (Conventional)	✓	✓	✓	✓
Dual Priority Scan (Conventional)	✓	✓	✓	✓
Direct Frequency Entry	Option	Option	Option	Option

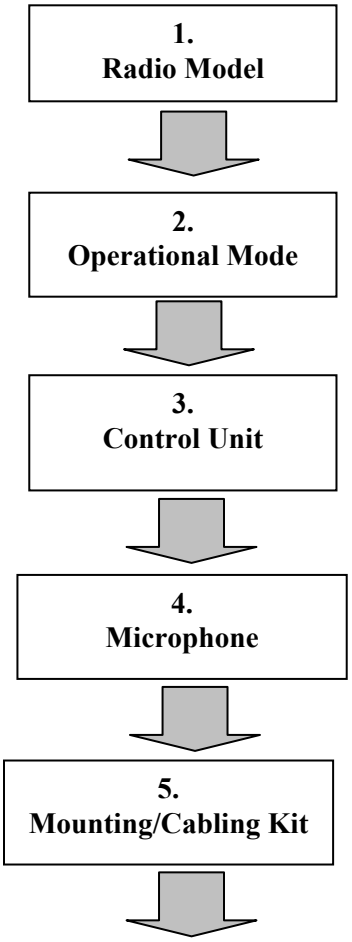
ORDERING GUIDELINES FOR CONVENTIONAL M7100^{IP} MOBILES

The radio model includes the mobile radio only with an Installation Manual.

DES and AES models include the encryption mode.

All radio models include Conventional operation.

1. Select radio model.
2. Select operational mode.
3. Select preferred control unit.
4. Select preferred microphone (except when ordering Hand Held Controller).
5. Select proper mounting/cabling kit (except when ordering Hand Held Controller).



6. Add options and accessories.

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

All M7100^{IP} orders must be placed through the Product Configurator. The following is for information only.

M7100^{IP} Radio Type	Unencrypted		DES (64-Bit)		AES (256-Bit)	
806-870 MHz, 35W	MAHG-S8MXX	$1625	MAHG-S8MXE	$2125	MAHG-S8MXA	$2475
450-470 MHz, 100W*	MAHG-SUHXX	$2125	MAHG-SUHXE	$2625	MAHG-SUHXA	$2975
450-512 MHz, 50W	MAHG-SUMXX	$1825	MAHG-SUMXE	$2325	MAHG-SUMXA	$2675
378-430 MHz, 50W	MAHG-SNMXX	$1825	MAHG-SNMXE	$2325	MAHG-SNMXA	$2675
136-174 MHz, 50W	MAHG-SHMXX	$1825	MAHG-SHMXE	$2325	MAHG-SHMXA	$2675
136-174 MHz, 110W	MAHG-SHHXX	$2125	MAHG-SHHXE	$2625	MAHG-SHHXA	$2975

*Mobile will be available pending FCC type acceptance. Shipments are expected to begin in October 2006.

E/C	Model No.	List Price $	Description

2. Operational Mode Packages (Must select one if operational modes in addition to analog conventional are required.) (See preceding page for feature lists)

N ..... MAHG-CA ..... 850 ..... FEATURE PACKAGE, PROJECT 25 COMMON AIR INTERFACE (CAI) CONVENTIONAL DIGITAL, UNENCRYPTED (applies to any Operational Mode Feature Package)

N ..... MAHG-PT ..... 1795 ..... FEATURE PACKAGE, P25 TRUNKING (includes P25 CAI operation)

N ..... MAHG-ED ..... 1095 ..... FEATURE PACKAGE, EDACS TRUNKING OPERATION (includes Conventional operation)

N ..... MAHG-PV ..... 1795 ..... FEATURE PACKAGE, PROVOICE DIGITAL TRUNKING OPERATION (includes EDACS and Conventional operation)

N ..... MAHG-PKGPP ..... 2395 ..... FEATURE PACKAGE, P25 TRUNKING AND PROVOICE (includes P25 CAI, EDACS, and Conventional operation)

Aegis™ Voice Options (ProVoice and EDACS Unencrypted Radios only)

N ..... MAHG-PL3T ..... 250 ..... DIGITAL VOICE, AEGIS, UNENCRYPTED

N ..... MAHG-VE ..... 800 ..... ENCRYPTION, 64-BIT, VGE AND AEGIS DIGITAL VOICE (includes Aegis digital voice option)

Option for DES Encrypted Radios

N ..... MAHG-FP ..... Future ..... FIPS 140-2 OPERATION, For DES Encrypted radios only

For keyloader, see page 10.1-1.

EXPORT CONTROL NOTE: ALL Digital Voice encrypted products may require a validated Export License issued by the Department of Commerce. Certain non-encrypted commodities may require a validated Export License issued by the Department of Commerce depending on customer name and destination country. The following countries are currently under embargo by the USA: Cuba, North Korea, Libya, Iran, Iraq, Sudan, and Syria.

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description
3. Control Unit (Select one)			
N	MAHG-CP7X	685	CONTROL UNIT, SYSTEM, REMOTE MOUNT
N	MAHG-CP7V	650	CONTROL UNIT, SYSTEM, FRONT MOUNT
N	MAHG-CP7W	485	CONTROL UNIT, SCAN, REMOTE MOUNT
N	MAHG-CP7U	450	CONTROL UNIT, SCAN, FRONT MOUNT
N	MAHG-ZN6B	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITH SIREN, REMOTE, 50W TX AND LESS Includes Hand Held Controller and cables
N	MAHG-ZN6C	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITH SIREN, REMOTE, 60W TX AND ABOVE Includes Hand Held Controller and cables
N	MAHG-ZN5Z	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITHOUT SIREN, REMOTE, 50W TX AND LESS Includes Hand Held Controller and cables
N	MAHG-ZN6A	845	KIT, ACCESSORY, HAND HELD CONTROLLER WITHOUT SIREN, REMOTE, 60W TX AND ABOVE Includes Hand Held Controller and cables
4. Microphone (Select one except when ordering the Hand Held Controller)			
N	MAHG-MC5N	180	MICROPHONE, DTMF
N	MAHG-MC5L	130	MICROPHONE, NOISE CANCELING
N	MAHG-MC5A	125	MICROPHONE, DESK
N	MAHG-MC7T	76	MICROPHONE, MOBILE
5. Mounting/Cabling Kit (Select one except when ordering the Hand Held Controller)			
N	MAHG-ZN5X	345	KIT, ACCESSORY, REMOTE MOUNT, 50W TX AND BELOW
N	MAHG-ZN5Y	345	KIT, ACCESSORY, REMOTE MOUNT, 60W TX AND ABOVE
N	MAHG-ZN5W	225	KIT, ACCESSORY, FRONT MOUNT, 50W TX AND BELOW

NOTE: Mounting/Cabling Kit includes Power Cable, Accessories Cable, External Speaker, Mounting Bracket(s), Mic Hanger, Radio Front Cover (Remote Mount only), and Radio Control Cable (Remote Mount only)

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description

6. Options & Accessories

Software Options

N	MAHG-PL7K	105	FEATURE, DIRECT FREQUENCY ENTRY

ProVoice and EDACS Software Options*

N	MAHG-EN	550	FEATURE, EXTENDED NETWORK: 800 SYSTEMS/GROUPS, ProRoam and ProFile™
N	MAHG-PL1X	305	FEATURE, ProRoam = ProScan™ + PRIORITY SYSTEM SCAN
N	MAHG-PL5K	305	FEATURE, ProFile™ OVER-THE-AIR PROGRAMMING
N	MAHG-PL3R	205	FEATURE, 800 EDACS SYSTEMS/GROUPS
N	MAHG-PL3X	205	FEATURE, EDACS DATA
N	MAHG-PL1Y	105	FEATURE, PRIORITY SYSTEM SCAN
N	MAHG-PL7G	105	FEATURE, EDACS SECURITY KEY
N	MAHG-TS	105	FEATURE, STATUS/MESSAGE AND TEXTLINK

*Note that Emergency and Dynamic Regroup are now included in the standard radio software package.

Project 25 Software Options

N	MAHG-PL5L	Future	FEATURE, P25 OVER-THE-AIR RE-KEYING (OTAR)
N	MAHG-PL7P	Future	FEATURE, P25 DATA (Conventional only)
N	MAHG-PL7G	105	FEATURE, P25 PERSONALITY LOCK

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description
Mobile Antennas			
N	MAHG-AN3G	50	ANTENNA, 136-870 MHZ, 1/4 WAVE, TNC, STANDARD ROOF MOUNT
N	MAHG-AN3R	55	ANTENNA, 136-941 MHZ, 1/4 WAVE, TNC, THICK ROOF MOUNT
Additional Accessories			
N	MAHG-CP7Y	550	CONTROL UNIT, HAND HELD CONTROLLER, SPARE
N	MAHG-MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT, 72 keys and extractor tool
N	MAHG-MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT, 11 keys and extractor tool
N	MAHG-MK3Z	13	KIT, RADIO FRONT COVER FOR REMOTE MOUNT
N	MAHG-CL1Y	130	CABLE, EXTENSION, DATA/PROGRAMMING/KEYLOADER
N	MAHG-CL3B	96	CABLE, HAND HELD CONTROLLER, WITH SIREN, SPARE
N	MAHG-CL3A	76	CABLE, HAND HELD CONTROLLER, WITHOUT SIREN, SPARE
N	MAHG-CL1X	39	CABLE, DATA INTERFACE
N	MAHG-MA5W	71	SUPPORT, CONNECTOR, LONG PACKAGE (110W, VHF) Supports the radio control cable at the rear of the radio for VRC (vehicular repeater) applications.
N	MAHG-MA5X	70	SUPPORT, CONNECTOR Supports the radio control cable at the rear of the radio for VRC (vehicular repeater) applications.
Industry Canada			
N	MAHG-EC1A	5	OPTION, INDUSTRY CANADA
Siren and Light Controls			
V	1016	1065	SIREN, ELECTRONIC, WITH LIGHT CONTROL, SS2000 Provides a serial-to-parallel interface to the Orion Control Units for generation of the siren and control of 8 light functions
V	1020	250	SPEAKER, 100W, TS100 For use with Light Bars or Concealed Mounting

CONVENTIONAL M7100^{IP} MOBILES

Band: VHF, UHF, 800
Product Code: HG

E/C	Model No.	List Price $	Description

Dual Control Units (Order Microphone Separately)

Order complete transceiver, first control unit, and accessories. Then order dual control options to provide a second control head, accessory cable, speaker, mounting bracket and hardware, plus a 9-meter Remote Mount Dual Control Cable.

N	MAHG-ZN6K	1060	CONTROL UNIT, DUAL CONTROL, SYSTEM, LONG PACKAGE (110W, VHF)
N	MAHG-ZN6J	1060	CONTROL UNIT, DUAL CONTROL, SCAN, LONG PACKAGE (110W, VHF)
N	MAHG-ZN6L	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITHOUT SIREN, LONG PACKAGE (110W, VHF) Includes Hand Held Controller and cables
N	MAHG-ZN6M	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITH SIREN, LONG PACKAGE (110W, VHF) Includes Hand Held Controller and cables
N	MAHG-ZN6T	1060	CONTROL UNIT, DUAL CONTROL, SYSTEM
N	MAHG-ZN6S	1060	CONTROL UNIT, DUAL CONTROL, SCAN
N	MAHG-ZN6U	845	CONTROL UNIT, DUAL CONTROL, HAND HELD CONTROLLER WITHOUT SIREN, Includes Hand Held Controller and cables

Microphone (Dual Control Unit)

N	MAHG-MC5N	180	MICROPHONE, DTMF
N	MAHG-MC5L	130	MICROPHONE, NOISE CANCELING
N	MAHG-MC5A	125	MICROPHONE, DESK
N	MAHG-MC7T	76	MICROPHONE, MOBILE

Other (Dual Control Unit)

N	MAHG-MK3F	66	KIT, KEYCAP, SYSTEM CONTROL UNIT, 72 keys and extractor tool
N	MAHG-MK3E	26	KIT, KEYCAP, SCAN CONTROL UNIT, 11 keys and extractor tool

Dual Transceivers

The first radio must be ordered as a Remote Mount version. The second radio should be ordered with the appropriate Dual transceiver ACC option (below). The Dual Transceiver option configures the second radios as Remote Mount with a 2-meter Dual Radio Cable.

N	MAHG-ZN6N	285	KIT, ACCESSORY, DUAL RADIO, 50W TX AND BELOW
N	MAHG-ZN6P	285	KIT, ACCESSORY, DUAL RADIO, 60W TX AND ABOVE

Manuals

V	MAMM-100HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, VHF
V	MAMM-400HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, UHF
V	MAMM-800HG	60	MANUAL, MAINTENANCE, M7100^{IP} MOBILE, 800 MHZ